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Application Number Information

Application Number: **09/464902**
Assignments
Filing or 371(c) Date: **12/16/1999**
Effective Date: **12/16/1999**
Application Received: **12/16/1999**
Patent Number:
Issue Date: **00/00/0000**
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Attorney Docket Number: **57906-AJPW/S**
Status: **71 /RESPONSE TO NON-FINAL OFFICE ACTION ENTERED AND FORWARDED TO EXAMINER**
Confirmation Number: **8227**

Examiner Number: **79936 / LE, EMILY**
Group Art Unit: **1648**
Class/Subclass: **424/148.100**
Lost Case: **NO**
Interference Number:
Unmatched Petition: **NO**
L&R Code: Secrecy Code:**1**
Third Level Review: **NO**
Oral Hearing: **NO**

IFW IMAGE

Waiting for Response Desc.
Prior Art Filed

Secrecy Order: **NO**

Status Date: **09/23/2006**

Title of Invention: **SYNERGISTIC INHIBITION OF HIV-1 FUSION AND ATTACHMENT, COMPOSTIONS AND ANTIBODIES THERETO**

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Dkt. 57906-A/JPW/AG

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: William C. Olson and Paul J. Maddon

Serial No.: 09/464,902 Group Art Unit: 1648

Filed : December 16, 1999 Examiner: Emily Le

For : NUCLEIC ACIDS ENCODING POLYPEPTIDES OF ANTI-CCR5 ANTIBODIES

1185 Avenue of the Americas
New York, New York 10036
September 15, 2006

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT IN RESPONSE TO APRIL 19, 2006 OFFICE ACTION, PETITION FOR TWO-MONTH EXTENSION OF TIME AND SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

This Amendment is submitted in response to the April 19, 2006 Office Action issued by the United States Patent and Trademark Office in connection with the above-identified application. A response to the April 19, 2006 Office Action was originally due on July 19, 2006. Applicants hereby petition for a two-month extension of time. A two-month extension of time for a small entity is two hundred and twenty five dollars ($225.00), and a check including this amount is enclosed. A response to the April 19, 2006 Office Action is now due on September 19, 2006. Accordingly, this Amendment is being timely filed.

Amendments to the Abstract begin on page 2 of this paper.
Amendments to the Claims begin on page 3 of this paper.
Amendments to the Drawings begin on page 4 of this paper.
Remarks begin on page 10 of this paper.
A **Supplemental Information Disclosure Statement** begins on page 13 of this paper.

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following references which are listed on forms PTO-SB08A and PTO-SB08B (substitute for form PTO-1449) attached hereto as **Exhibit C**.

This Supplemental Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97 (c)(2) before the mailing of a final office action. Pursuant to C.F.R. §1.17(p) the fee for filing this Supplemental Information Disclosure Statement is $180.00 and a check including this amount is enclosed.

In accordance with 37 C.F.R. §1.92(a)(2)(ii), copies of the U.S. Patents and U.S. Patent Application Publications listed herein are not provided. Accordingly, copies of documents listed below as items 1-21 are not submitted herewith. Copies of documents listed below as items 22-66 are attached hereto as **Exhibits 1-45**.

1. U.S. Patent No. 6,025,154 issued October 5, 2004;

2. U.S. Patent No. 6,265,184 issued July 24, 2001;

3. U.S. Patent No. 6,268,477 issued July 31, 2002;

4. U.S. Patent No. 6,448,375 issued September 10, 2002;

5. U.S. Patent No. 6,743,594 issued June 1, 2004;

6. U.S. Patent No. 6,797,811 issued September 28, 2004;

7. U.S. Patent No. 6,261,763 B1 issued July 17, 2001;

8. U.S. Patent No. 6,972,126 issued December 6, 2005;

9. U.S. Patent Application Publication No. 2002-0150888 published October 17, 2002;

10. U.S. Patent Application Publication No. 2004-0161739 published August 19, 2004;

11. U.S. Patent Application Publication No. 2004-0230037 published November 18, 2004;

12. U.S. Patent Application Publication No. 2004-0110127 published June 10, 2004;

13. U.S. Patent Application Publication No. 2005-0154193 published July 14, 2005;

14. U.S. Patent Application Publication No. 2003-0100058 published May 29, 2003;

15. U.S. Patent Application Publication No. 2003-0166024 published September 4, 2003;

16. U.S. Patent Application Publication No. 2004-0151719 published August 08, 2004;

17. U.S. Patent Application Publication No. 2001-0000241 published April 12, 2001;

18. U.S. Patent Application Publication No. 2001-0046512 A1 published November 29, 2001;

19. U.S. Patent Application Publication No. 2006-0029932 published February 9, 2006;

20. U.S. Patent Application Publication No. 2002-0045161 published April 18, 2002;

21. U.S. Patent Application Publication No. 2006-0140977 A1 published June 29, 2006;

22. U.S. Patent Application Serial No. 09/118,415 filed July 17, 1998 (now abandoned) **(Exhibit 1)**;

23. U.S. Patent Application Serial No. 11/258,963 filed October 25, 2005 **(Exhibit 2)**;

24. U.S. Patent Application Serial No. 11/316,078 filed December 21, 2005 **(Exhibit 3)**;

25. U.S. Patent Application Serial No. 11/400,497 filed April 7, 2006 **(Exhibit 4)**;

26. U.S. Patent Application Serial No. 08/875,515 filed June 7, 1995 (now abandoned) **(Exhibit 5)**;

27. U.S. Patent Application Serial No. 08/663,171 filed June 14, 1996 (now abandoned) **(Exhibit 6)**;

28. U.S. Patent Application Serial No. 09/212,793 filed December 16, 1998 **(Exhibit 7)**;

29. U.S. Provisional Application No. 60/112,532 filed December 16, 1998 **(Exhibit 8)**;

30. PCT International Application Publication No. WO 95/16879 published June 22, 1995 **(Exhibit 9)**;

31. PCT International Application Publication No. WO 96/41020 published December 19, 1996 **(Exhibit 10)**;

32. PCT International Application Publication No. WO 97/37005 published October 27, 1997 **(Exhibit 11)**;

33. PCT International Application Publication No. WO 97/47319 published December 18, 1997 **(Exhibit 12)**;

34. PCT International Application Publication No. WO 02/064612 A2 published August 22, 2002 **(Exhibit 13)**;

35. PCT International Application Publication No. WO 01/58915 A2 published August 16, 2001 **(Exhibit 14)**;

36. PCT International Application Publication No. WO 01/58916 A2 published August 16, 2001 **(Exhibit 15)**;

37. PCT International Application Publication No. WO 96/39437 A2 published December 12, 1996 **(Exhibit 16)**;

38. PCT International Application Publication No. WO 97/22698 published June 26, 1997 **(Exhibit 17)**;

39. PCT International Application Publication No. WO 97/44055 published November 27, 1997 **(Exhibit 18)**;

40. PCT International Application Publication No. WO 97/032019 published September 4, 1997 **(Exhibit 19)**;

41. European Patent Application No. 96870021.1 filed March 1, 1996 **(Exhibit 20)**;

42. European Patent Application No. 96870102.9 filed August 6, 1996 **(Exhibit 21)**;

43. European Patent Application Publication No. 1145721 A2 published October 17, 2001 **(Exhibit 22)**;

44. European Patent Application Publication No. 1146055 A2 published October 17, 2001 **(Exhibit 23)**;

45. European Patent Application Publication No. 1146122 A2 published October 17, 2001 **(Exhibit 24)**;

46. European Patent Application Publication No. 1148126 A2 published October 24, 2001 **(Exhibit 25)**;

47. European Patent Application Publication No. 1148127 A2 published October 24, 2001 **(Exhibit 26)**;

48. European Patent Application Publication No. 1149582 A2 published October 31, 2001 **(Exhibit 27)**;

49. European Patent Application Publication No. 1199360 A2 published April 24, 2002 **(Exhibit 28)**;

50. European Patent Application Publication No. 1482042 A1 published December 1, 2004 **(Exhibit 29)**;

51. European Patent Application Publication No. 0815137 published December 12, 1996 **(Exhibit 30)**;

52. European Patent No. 0883687 B1 issued November 27, 2004 **(Exhibit 31)**;

53. Canadian Patent Publication No. 2216990 published December 27, 1997 **(Exhibit 32)**;

54. Dean, M. et al., (1996) "Genetic Restriction Of HIV-1 Infection And Progression To AIDS By A Deletion Allele Of The CKR5 Structural Gene", *Science* 273:1856-1862 **(Exhibit 33)**;

55. He, J. et al., (1997) "CCR3 And CCR5 Are Co-Receptors For HIV-1 Infection Of Microglia", *Nature* 385:645-649 **(Exhibit 34)**;

56. Konigs, C. et al., (2000) "Monoclonal Antibody Screening Of Phage-Displayed Random Peptide Library Reveals Mimotopes Of Chemokine Receptor CCR5: Implications For The Tertiary Structure Of The Receptor And For An N-Terminal Binding Site For HIV-1 Gp120", *Eur. J. Immnol.* 30(4):1162-1171 **(Exhibit 35)**;

57. Lee, B. et al., (1999) "Epitope Mapping Of CCR5 Reveals Multiple Conformational States And Distinct But Overlapping Structures Involved In Chemokine Coreceptor Function", *J. Biol. Chem.* 274(14):9617-9626 **(Exhibit 36)**;

58. Mackay, C.R., (1996) "Chemokine Receptors And T Cell Chemotaxis", *J. Exp. Med* 184:799-802 **(Exhibit 37)**;

59. Raport, C.J. et al., (1996) "Molecular Cloning And Functional Characterization Of A Novel Human CC Chemokine Receptor (CCR5) For RANTES, MIP-1β, And MIP-1α", *J.Biol. Chem.* 271(29):1761-17166 **(Exhibit 38)**;

60. Samson, M. et al., (1996) "Molecular Cloning And Functional Expression Of A New Human CC-Chemokine Receptor Gene", *Biochem.* 35:3362-3367 **(Exhibit 39)**;

61. Steinberger, P. et al., (2000) "Generation And Characterization Of A Recombinant Human CCR5-Specific Antibody", *J. Biol. Chem.* 275:36073-36078 **(Exhibit 40)**;

62. Wu, L. et al., (1996) "CD4-Induced Interaction Of Primary HIV-1 Gp120 Glycoproteins With The Chemokine Receptor CCR-5", *Nature* 384:179-183 **(Exhibit 41)**;

63. PCT International Preliminary Examination Report issued April 5, 2006 for International Application Publication No. WO 03/072766 **(Exhibit 42)**;

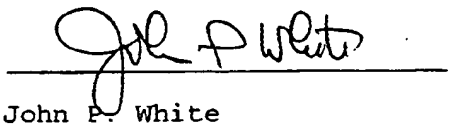
64. PCT International Preliminary Examination Report issued September 28, 2005 for International Application No. WO 03/072766 **(Exhibit 43)**;

65. Supplementary European Search Report issued April 21, 2006 for European Application No. 03713632 **(Exhibit 44)**; and

66. PCT International Search Report issued June 7, 2000 for International Application Publication No. WO 00/35409 **(Exhibit 45)**.

No fee, except for the $225.00 fee for a one-month extension of time and $180.00 fee for filing this Supplemental Information Disclosure Statement, is deemed necessary in connection with the filing of this Amendment. However, if any additional fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account Number 03-3125.

Respectfully submitted,



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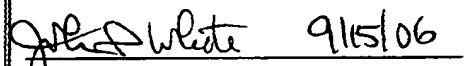

9/15/06

John P. White Date
Reg. No. 28,678

Form PTO-1449

U.S. Department of Commerce
Patent and Trademark Office

Application Number	09/464,902
Filing Date	December 16, 1999
First Named Inventor	Olson et al.
Art Unit	1648
Examiner Name	Emily Lee
Attorney Docket No.	57906-A/JPW/AG

INFORMATION DISCLOSURE STATEMENT
(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		6,025,154	10-10-2004	
		6,265,184	07-24-2001	
		6,268,477	07-31-2002	
		6,448,375	09-10-2002	
		6,743,594	06-01-2004	
		6,797,811	09-28-2004	
		6,261,763	07-17-2001	
		6,972,126	12-06-2005	
		2002-0150888	11-17-2002	
		2004-0161739	08-19-2004	
		2004-0230037	11-18-2004	
		2004-0110127	06-10-2004	
		2005-0154193	07-14-2005	
		2003-0100058	05-29-2003	
		2003-0166024	09-04-2003	
		2004-0151719	08-08-2004	
		2001-0000241	04-12-2001	
		2001-0046512	11-29-2001	

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T[6]
		WO1995/16879	06-22-1995		
		WO1996/41020	12-19-1996		
		WO1997/37005	10-27-1997		
		WO1997/47319	12-18-1997		
		WO2002/064612	08/22/2002		
		WO2001/58915	08-16-2001		

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Applicants: William C. Olson
and Paul J. Maddon
U.S. Serial No. 09/464,902
Filed: December 16, 1999
Exhibit C

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INFORMATION DISCLOSURE STATEMENT
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Application Number	09/464,902
Filing Date	December 16, 1999
First Named Inventor	Olson et al.
Art Unit	1648
Examiner Name	Emily Lee
Attorney Docket No.	57906-A/JPW/AG

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Examiner Initials*	Cite No.[1]	Document Number Number-Kind Code[2] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		2006-0029932	02-09-2006	
		2002-0045161	04-18-2002	
		2006-0140977	06-29-2006	

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Examiner Initials*	Cite No.[1]	Foreign Patent Document Country Code[3]-Number[4]-Kind Code[5] (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	T[6]
		WO2001/58916	08-16-2001		
		WO1996/39437	12-12-1996		
		WO1997/22698	06-26-1997		
		WO1997/44055	11-27-1997		
		WO1997/032019	09-04-1997		
		EP 96870021.1	03-01-1996		
		EP 96870102.9	08-06-1996		
		EP 1145721	10-17-2001		
		EP 1146055	10-17-2001		
		EP 1146122	10-17-2001		

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		Filing Date	December 16, 1999
		First Named Inventor	Olson et al.
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		Examiner Name	Emily Lee
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		EP 1148126	10-24-2001		
		EP 1148127	10-24-2001		
		EP 1149582	10-31-2001		
		EP 1199360	04-24-2002		
		EP 1482042	12-01-2004		
		EP 0815137	12-12-1996		
		EP 0883687	11-27-2004		
		CA 2216990	12-27-1997		

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INFORMATION DISCLOSURE CITATION	Art Unit	1648
(Use several sheets if necessary)	Examiner Name	Emily Lee
	Attorney Docket No.	57906-A/JPW/AG

NON PATENT LITERATURE DOCUMENTS

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		Dean, M. et al., (1996) "Genetic Restriction Of HIV-1 Infection And Progression To AIDS By A Deletion Allele Of The CKR5 Structural Gene", *Science* 273:1856-1862	
		He, J. et al., (1997) "CCR3 And CCR5 Are Co-Receptors For HIV-1 Infection Of Microglia", *Nature* 385:645-649	
		Konigs, C. et al., (2000) "Monoclonal Antibody Screening Of Phage-Displayed Random Peptide Library Reveals Mimotopes Of Chemokine Receptor CCR5: Implications For The Tertiary Structure Of The Receptor And For An N-Terminal Binding Site For HIV-1 Gp120", *Eur. J. Immnol.* 30(4):1162-1171	
		Lee, B. et al., (1999) "Epitope Mapping Of CCR5 Reveals Multiple Conformational States And Distinct But Overlapping Structures Involved In Chemokine Coreceptor Function", *J. Biol. Chem.* 274(14):9617-9626	
		Mackay, C.R., (1996) "Chemokine Receptors And T Cell Chemotaxis", *J. Exp. Med* 184:799-802	
		Raport, C.J. et al., (1996) "Molecular Cloning And Functional Characterization Of A Novel Human CC Chemokine Receptor (CCR5) For RANTES, MIP-1β, And MIP-1α", *J.Biol. Chem.* 271(29):1761-17166	
		Samson, M. et al., (1996) "Molecular Cloning And Functional Expression Of A New Human CC-Chemokine Receptor Gene", *Biochem.* 35:3362-3367	
		Steinberger, P. et al., (2000) "Generation And Characterization Of A Recombinant Human CCR5-Specific Antibody", *J. Biol. Chem.* 275:36073-36078	
		Wu, L. et al., (1996) "CD4-Induced Interaction Of Primary HIV-1 Gp120 Glycoproteins With The Chemokine Receptor CCR-5", *Nature* 384:179-183	

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